T Number	Hits	Search Text	DB	Time stamp
L Number	368		USPAT	2002/08/06 15:43
_	39		USPAT	2002/08/06 15:44
-	22		USPAT	2002/08/07 13:29
_	22	((((349/138).CCLS.) and (opposing adj2 electrode)) and (insulating adj2 layer))	USPAT	2002/08/06 16:24
	0044	and (liquid adj2 crystal)	USPAT	2004/01/12 13:46
_	9944 2430	("349").CLAS. ((349/).CCLS.) and (electrode adj2 substrate)	USPAT	2002/08/06 16:25
-	1631	(((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2	USPAT	2002/08/06 16:25
-	499	electrode) ((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2	USPAT	2002/08/06 16:25
_	327	electrode)) and (insulating adj2 layer) (((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)	USPAT	2002/08/06 16:26
-	325	((((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)) and (liquid	USPAT	2002/08/07 12:53
-	2	adj2 crystal) ((((((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)) and (liquid	USPAT	2002/08/06 16:28
_	25	adj2 crystal)) and (insulating adj2 electric) (((((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)) and (liquid	USPAT	2002/08/06 16:35
	48	adj2 crystal)) and stagger\$3 ((((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)) and (liquid	USPAT	2002/08/07 12:55
-	45	adj2 crystal) and (negative adj2 dielectric) ((((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)) and (liquid adj2 crystal) and (positive adj2	USPAT	2002/08/07 13:11
_	5	dielectric)	USPAT	2002/08/07 13:09
-	2	alignment) (((((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)) and (liquid adj2 crystal) and (positive adj2	USPAT	2002/08/07 13:10
_	0	dielectric)) and (horizontal adj2 alignment)) and resistance ((((((((349/).CCLS.) and (electrode adj2 substrate)) and (transparent adj2 electrode)) and (insulating adj2 layer)) and (electric adj2 field)) and (liquid adj2 crystal) and (positive adj2 dielectric)) and (horizontal adj2 alignment)) and impedance	USPAT	2002/08/07 13:11

electrode ) and (insulating adg2 layer)   and (electric) and (insulating adg2 adg2 crystal) and (positive adg2 adg2 crystal) and (positive adg2 adg2 crystal) and (electric) and mpedance   (((((3497).0CLS.)) and (electrode) and (insulating adg2 adg2 crystal) and (positive adg2 adg2 crystal) and (positive adg2 adg2 crystal) and (positive adg2 adg2 adg2 crystal) and (positive adg2 adg2 adg2 adg2 adg2 crystal) and (positive adg2 adg2 adg2 adg2 adg2 adg2 adg2 adg2	-	3	((((((349/).CCLS.) and (electrode adj2	USPAT	2002/08/07 13:13
and (electric adj2 field) and (liquid adj2 crystal) and (positive adj2 dielectric) and impedance (((3439).CLS.) and (electrode adj2 substrate)) and (transparant adj2 layer)) adj2 electricode)) and (insulating adj2 layer) adj2 electricode) and (insulating adj2 layer) and impedance (((3497)18).CCLS.) and (opposing adj2 electric) and impedance (((3497)18).CCLS.) and ips (USPAT 2003/03/10 09:37 and impedance) and impedance (((3497).CLS.) and ips) and (multi adj2 domain)) ((((3497).CCLS.) and ips) and (multi adj2 domain)) and (insulating adj2 pattern) ((((3497).CCLS.) and ips) and (multi adj2 domain)) and (insulating adj2 pattern) ((((3497).CCLS.) and ips) and (multi adj2 domain)) and (insulating adj2 pattern) ((((3497).CCLS.) and (insulating adj2 pattern) ((((3497).CCLS.) and (insulating adj2 pattern)) and (delectric adj2 constant) (((((4397).CCLS.) and (insulating adj2 pattern)) and (delectric adj2 constant) ((((((((((4397)(3).138).CCLS.) and (insulating adj2 pattern)) (((((((((((((((((((((((((((((((((((					
adj2 crystal) and (positive adj2   dielectric) and impedance   (((((((349).CCLS.) and (electrode adj2 substrate)) and (insulating adj2 layer))   adj2 crystal) and (positive adj2 adj2 adj2 crystal) and (positive adj2 adj2 adj2 adj2 adj2 adj2 adj2 adj2					
dielectric) and impedance   USPAT   2002/08/07 13:17		ŀ			
Substrate) and (transparent adj2   electrode) and (insulating adj2 layer) and (electric adj2 field)) and (liquid adj2 crystal) and (postive adj2 dielectric) and resistance   1 (((349/138).CCLS.) and (opposing adj2 electrode)) and (insulating adj2 layer)   (((349/136).CCLS.) and (opposing adj2 electrode)) and (insulating adj2 layer)   (((349/136).CCLS.) and ips) and (multi adj2 (DSPAT 2003/03/10 09:37 (DSPAT 2003/03/10 09:38 (DSPAT 2			dielectric) and impedance		
electrode) and (insulating adj2 layer)   and (electric adj2 field) and (liquid adj2 crystal) and (positive adj2 dielectric) and resistance   (((349/18).CCLS.) and (insulating adj2 layer)   and impedance   ((349/1.CLS.) and ips) and (multi adj2   (349/1.CLS.) and ips) and (multi adj2   (349/1.CLS.) and ips) and (multi adj2   (349/1.CLS.) and ips) and (multi adj2   (349/1.CCLS.) and (insulating adj2 pattern)   (((349/1.CCLS.) and (insulating adj2 pattern)   ((((349/1.CCLS.) and (insulating adj2 pattern)   (((((349/1.CCLS.) and (insulating adj2 pattern)   (((((((((((((((((((((((((((((((((((	-	34		USPAT	2002/08/07 13:17
and (electric adj2 fleid)) and (liquid adj2 crystal) and (postive adj2 dielectric) and resistance  1 ((1349/138).CCLS.) and (opposing adj2 electrode)) and (insulating adj2 layer)  1 ((1349/1.CCLS.) and ips) and (multi adj2 USPAT 2003/03/10 09:37 2003/03/10 09:37 2003/03/10 09:37 2003/03/10 09:37 2003/03/10 09:37 2003/03/10 09:37 2003/03/10 09:37 2003/03/10 09:37 2003/03/10 09:38 2003/03/10 09:39 2003/03/10 09:39 2003/03/10 09:39 2003/03/10 09:39 2003/03/10 09:50 2003/03/10 09:5			substrate)) and (transparent adj2		
adj2 crystal) and (positive adj2 dielectric) and resistance   (((349/138).CCLS.) and (opposing adj2 electrode)) and (insulating adj2 layer) and impedance   ((349/1.CCLS.) and ips   USPAT   2003/03/10 09:37   (349/1.CCLS.) and ips   (349/1.CCLS.) and ips   (349/1.CCLS.) and ips   (349/1.CCLS.) and ips   ((349/1.CCLS.) and (insulating adj2 pattern)   (((349/1.CCLS.) and (insulating adj2 pattern)   ((349/1.CCLS.) and (insulating adj2		ļ			
dielectric) and resistance					
electrode ) and (insulating adj2 layer)   and impedance   10542 ("349").CLS.) and ips   upstance					
and impedance	-	1	(((349/138).CCLS.) and (opposing adj2	USPAT	2002/08/07 13:29
10542					
1076	_	10542		USPAT	2003/03/10 09:37
domain	-		((349/).CCLS.) and ips		
1076	-	47		USPAT	2003/03/10 09:37
		1076	· ·	IISDAT	2003/03/10 09:38
-   0	-	10/0		JULAI	2003,03,10 09.30
-   39	-	0	((((349/).CCLS.) and ips) and (multi adj2	USPAT	2003/03/10 09:38
pattern					0000/00/10
10	-	39		USPAT	2003/03/10 09:38
	_	1.0		USPAT	2003/03/10 09:47
- 4 ((349/).CCLS.) and (inplane adj2 direction) - 13016 lcd - 1115 lcd and ips - 106 lcd and ips - 107 lcd and ips) and (insulating adj2 US-PGPUB 2003/03/10 09:49 - 60190 lcd - 107 lcd and ips DEPO: DERWENT EPO: JPO: JPO: JPO: JPO: JPO: JPO: JPO: J			pattern)) and (dielectric adi2 constant)	001111	2000,00,10 05.4,
13016	-	4	((349/).CCLS.) and (inplane adj2	USPAT	2003/03/10 09:49
- 1115   1cd and ips   1 (lcd and ips) and (insulating adj2   US-PGPUB   2003/03/10 09:50   pattern)   1cd   EPO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:34   EVO; JPO; DERWENT   EVO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:34   EVO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:34   EVO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:35   EVO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:45   EVO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:46   EVO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:48   EVO; JPO; DERWENT   EVO; JPO; DOWA/01/12 11:48   EVO; JPO; DOWA/01/12 13:48   EVO; JPO; DOWA/01/12 13:48   EVO; JPO; DOWA/01/12 13:48   EVO; JPO; JPO; DOWA/01/12 13:48   EVO; JPO; JPO; JPO; DOWA/01/12 13:48   EVO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; JP			·		0000/00/10 00 10
- 1 (lcd and ips) and (insulating adj2 pattern) - 60190 lcd	<u> </u>				
Pattern   Color   Co	-				
- 107 lcd and ips   DERWENT   EPO; JPO; DERWENT   DERWENT   EPO; JPO; DERWENT   DOUBONT   DERWENT   DERWENT   DERWENT   DERWENT   DERWENT   DERWEN		•		'	
- 107 lcd and ips   EPO; JPO; DERWENT   2003/03/10 09:51   DERWENT   EPO; JPO; DERWENT   USPAT   USPAT   USPAT; US-PGPUB   USPAT; US-P	-	60190	1 -		2003/03/10 09:51
Comparison		107	lad and inc		2003/03/10 00-51
- 0 (lcd and ips) and (insulating adj2 pattern) - 4 (lcd and ips) and (dielectric adj2 constant) - 624 (349/130,138).CCLS 680 (349/130,138).CCLS 56 ((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) - 2 ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) - 2 ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) - 3 (((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) - 4 (((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant) - 17 (((349/130,138).CCLS.) and (insulat\$4 adj4 adj2 pattern\$3)) and (electric adj2 constant) - 14719 (((349/130,138).CCLS.) and (insulat\$4 adj4 adj2 pattern\$3)) and (electric adj2 constant) - 14719 ((("349").CLAS.) and ips) (insulat\$4 adj4 electric ((("349").CLAS.) and ips) (insulat\$4 adj4 adj4 electric) - ((("349").CLAS.) and ips) and (insulat\$4 adj4 adj4 electric) - ((("349").CLAS.) and ips) and (insulat\$4 adj4 electric) - (((*349").CLAS.) and ips) and (insulat\$4 adj4 electric) - ((*349").CLAS.) and ip	-	10/	Icu and Ips		2003/03/10 09:31
DERWENT	-	0	(lcd and ips) and (insulating adj2		2003/03/10 09:51
Constant		·	pattern)	DERWENT	
- 624 (349/130,138).CCLS.	-	4			2003/03/10 09:51
- 680 (349/130,138).CCLS. USPAT; US-PGPUB USPA	_	624			2004/01/12 11:34
- 56 ((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3) - 35 (((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) - 2 (((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) - 17 ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) und (zigzag) - 17 ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)) and (zigzag) - 14719 ("349").CLAS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant) - 14719 ("349").CLAS.) and ips - 11579 ((("349").CLAS.) and ips) (insulat\$4 adj4 electric) (((("349").CLAS.) and ips) (insulat\$4 adj4 electric) (((("349").CLAS.) and ips) and (insulat\$4 adj4 electric) - 2 (dielectric adj2 rib) and 349/\$.ccls 3 (dielectric adj2 rib) and (insulat\$4 adj4 electric) (dielectric adj2 rib) and (zigzag) - 4 (dielectric adj2 rib) and (zigzag) - 2004/01/12 13:48 - 2004/01/12 13:48 - 2004/01/12 13:48 - 2004/01/12 13:48	-				
pattern\$3) (((349/130,138).CCLS.) and (insulat\$4 adj2 USPAT; US-PGPUB (((349/130,138).CCLS.) and (insulat\$4 adj2 USPAT; US-PGPUB ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field) used (2igzag) ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant)) and (2igzag) ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 USPAT; US-PGPUB field)) and (dielectric adj2 constant) ("349").CLAS.) and ips USPAT; US-PGPUB USPA				US-PGPUB	
- 35 (((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)	-	56			2004/01/12 11:35
- 2 (((((349/130,138).CCLS.) and (insulat\$4 adj2 gield) uspat; us	_	3 E			2004/01/12 11.35
- 2 ((((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant)) and (zigzag)  - 17 ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant)  - 14719 (("349").CLAS.) and ips USPAT; US-PGPUB  - 1579 ((("349").CLAS.) and ips USPAT; US-PGPUB  - 11579 ((("349").CLAS.) and ips) (insulat\$4 adj4 USPAT; US-PGPUB  - 2004/01/12 11:47  US-PGPUB USPAT; US-PGP	-	33			2004/01/12 11.33
adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant)) and (zigzag)	-	2			2004/01/12 11:36
and (zigzag) ((((349/130,138).CCLS.) and (insulat\$4			adj2 pattern\$3)) and (electric adj2	US-PGPUB	
- 17 ((((349/130,138).CCLS.) and (insulat\$4 adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant)  - 14719 ("349").CLAS.  - 820 (("349").CLAS.) and ips  - 11579 ((("349").CLAS.) and ips) (insulat\$4 adj4 electric)  - 47 ((("349").CLAS.) and ips) and (insulat\$4 adj4 electric)  - 5 (dielectric adj2 rib) and 349/\$.ccls.  - 0 (dielectric adj2 rib) and (insulat\$4 adj4 electric)  - 1 (dielectric adj2 rib) and (insulat\$4 adj4 electric)  - 2 (dielectric adj2 rib) and (insulat\$4 adj4 electric)  - 3 (dielectric adj2 rib) and (insulat\$4 adj4 electric)  - 43 (dielectric adj2 rib) and (zigzag)  - 44 (zigzag)  - 45 (2004/01/12 11:46  - 2004/01/12 11:47  - 2004/01/12 11:46  - 2004/01/12 11:47  - 2004/01/12 11:48  - 2004/01/12 13:48  - 2004/01/12 13:48  - 2004/01/12 13:48  - 2004/01/12 13:48					
adj2 pattern\$3)) and (electric adj2 field)) and (dielectric adj2 constant)  - 14719 ("349").CLAS.  820 (("349").CLAS.) and ips  (("349").CLAS.) and ips  (("349").CLAS.) and ips  ((("349").CLAS.) and ips) (insulat\$4 adj4 USPAT; US-PGPUB US	_	17		USPAT:	2004/01/12 11:46
field)) and (dielectric adj2 constant) ("349").CLAS.  820 (("349").CLAS.) and ips  (("349").CLAS.) and ips  ((("349").CLAS.) and ips) (insulat\$4 adj4 electric) ((("349").CLAS.) and ips) and (insulat\$4 adj4 electric) ((("349").CLAS.) and ips) and (insulat\$4 adj4 electric) ((("349").CLAS.) and ips) and (insulat\$4 adj4 electric) ((dielectric adj2 rib) and 349/\$.ccls.  0 (dielectric adj2 rib) and (insulat\$4 adj4 electric) (dielectric adj2 rib) and (insulat\$4 adj4 electric) (dielectric adj2 rib) and (zigzag)  1 (dielectric adj2 rib) and (zigzag)  3 dielectric adj2 rib)  43 dielectric adj2 rib  43 dielectric adj2 rib		1,			2004/01/12 11:40
- 820 (("349").CLAS.) and ips USPAT; US-PGPUB			field)) and (dielectric adj2 constant)		
- 820 (("349").CLAS.) and ips	-	14719	("349").CLAS.		2004/01/12 11:47
- 11579 ((("349").CLAS.) and ips) (insulat\$4 adj4	_	220	(("349") CLAS ) and ine		2004/01/12 11:47
- 11579 ((("349").CLAS.) and ips) (insulat\$4 adj4 electric) - 47 ((("349").CLAS.) and ips) and (insulat\$4 USPAT; US-PGPUB adj4 electric) - 5 (dielectric adj2 rib) and 349/\$.ccls. USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; electric) - 1 (dielectric adj2 rib) and (insulat\$4 adj4 USPAT; US-PGPUB USPAT; US-PG	]	020	(( 343 ).CDAS.) and ips		2004/01/12 11.4/
electric) ((("349").CLAS.) and ips) and (insulat\$4 USPAT; adj4 electric) (dielectric adj2 rib) and 349/\$.ccls.  US-PGPUB USPAT; USPAT; USPAT;	-	11579	((("349").CLAS.) and ips) (insulat\$4 adj4		2004/01/12 11:48
adj4 electric) (dielectric adj2 rib) and 349/\$.ccls.  US-PGPUB USPAT; US-PGPUB EPO; JPO; 2004/01/12 13:48			electric)		0004/04/10
- 5 (dielectric adj2 rib) and 349/\$.ccls. USPAT; US-PGPUB EPO; JPO; 2004/01/12 13:48	-	47		· ·	2004/01/12 11:48
- 0 (dielectric adj2 rib) and (insulat\$4 adj4 US-PGPUB USPAT; electric) - 1 (dielectric adj2 rib) and (zigzag) USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB EPO; JPO; 2004/01/12 13:48	_	5		i i	2004/01/12 13:47
electric) - 1 (dielectric adj2 rib) and (zigzag) US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB EPO; JPO; 2004/01/12 13:48		3	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
- 1 (dielectric adj2 rib) and (zigzag) USPAT; US-PGPUB EPO; JPO; 2004/01/12 13:48	-	0			2004/01/12 13:48
US-PGPUB EPO; JPO; 2004/01/12 13:48		4			2004/01/12 12:40
- 43 dielectric adj2 rib EPO; JPO; 2004/01/12 13:48	-	1	(dlelectric adj2 rlb) and (zlgzag)		2004/01/12 13:48
1	1_	43	dielectric adj2 rib		2004/01/12 13:48

			1	100010010010
-	0	(dielectric adj2 rib) and zigzag	EPO; JPO;	2004/01/12 13:49
	Ì		DERWENT	
-	0	(dielectric adj2 rib) and (insulat\$4 adj4	EPO; JPO;	2004/01/12 13:49
		field)	DERWENT	
-	0	(dielectric adj2 rib) and (insulat\$4 adj4	EPO; JPO;	2004/01/12 13:49
		pattern)	DERWENT	
-	0	(dielectric adj2 rib) and (insulat\$4 adj4	EPO; JPO;	2004/01/12 13:49
		pattern)	DERWENT	
_	0	(dielectric adj2 rib) and (insulat\$4 adj4	USPAT;	2004/01/12 13:50
		pattern)	US-PGPUB	
_	93	dielectric adj2 rib	USPAT;	2004/01/12 13:59
			US-PGPUB	]
_	14719	("349").CLAS.	USPAT;	2004/01/12 13:59
1			US-PGPUB	
_	358	(("349").CLAS.) and zigzag	USPAT;	2004/01/12 13:59
			US-PGPUB	
l <u>-</u>	2	(("349").CLAS.) and ( zigzag near	USPAT;	2004/01/12 13:59
	·	insulat\$4)	US-PGPUB	
<b> </b>	2	(("349").CLAS.) and (zigzag near	USPAT;	2004/01/12 14:00
1	_	insulat\$4)	US-PGPUB	
_	7	("5398127"   "6097464"   "6188457"	USPAT	2004/01/12 14:00
<u> </u>		"6266122"   "6313899"   "6335780"		
		"6339462").PN.		
_	0		USPAT;	2004/01/12 15:05
		<u> </u>	US-PGPUB	
_	169	(dielectric adj4 slits)	USPAT;	2004/01/12 15:06
		j '	US-PGPUB	
_	1	lgphilips.as.	USPAT;	2004/01/12 15:05
	_	· ·	US-PGPUB	
_	J 20	(dielectric adj4 slits) same (electric	USPAT;	2004/01/12 15:06
		adi2 field)	US-PGPUB	
_	4	1	USPAT	2004/01/12 15:09
		"6300996").PN.		
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